

## REMARKS

In the Office Action, claims 36-39 and 41-43 are rejected under 35 U.S.C. § 103 in view of PCT Publication No. WO02/08463 as evidence by corresponding U.S. Patent No. 6872635 ("Hyashi") and U.S. Patent No. 5426342 ("Nakamura"); and claims 40, 44-46 are rejected under 35 U.S.C. § 103 as unpatentable over Hyashi, Nakamura, and further in view of U.S. Patent Application Publication No. 2003/0227253 ("Seo") Applicants believe that the rejections have been overcome as detailed below.

The Patent Office has relied on the Nakamura reference for its alleged teaching regarding a pressure sensitive adhesive layer in support of the obviousness rejections. However, the Nakamura reference applies the use of an adhesive layer to transfer a grid electrode layer onto a substrate thereby forming a fluorescent display device. See, Nakamura, for example, Figs. 2 and 3 and corresponding text in cds. 3 and 4. Nowhere does Nakamura contemplate the use of a pressure adhesive layer during the transfer of light emitting diodes, let alone light emitting diodes that have different characteristics and that are transferred at different stages of the process as required by the claimed invention. Indeed, Nakamura merely describes the transfer of the grid electrode layer in a single step process.

Since devices are stripped from a temporary adhesion layer before a pressure sensitive adhesive later is hardened (cured) according to an embodiment claimed invention, the force required for separating a temporary holding substrate and a transfer substrate away from each other is small, and the possibility that the temporary holding substrate or the transfer substrate may be damaged at the time of stripping the devices from the temporary adhesion layer is lowered. Particularly, in the case of manufacturing a display apparatus having a large screen, it is necessary to enlarge the area of the transfer substrate and, therefore, minimizing the possibility of damaging the transfer substrate or the temporary holding substrate should reduce the manufacturing cost. See, Specification, page 25, lines 19-28.

With the devices differing in characteristics embedded into the pressure sensitive adhesive layer before the hardening (curing) of the pressure sensitive adhesive layer, it is possible to arrange and hold on the transfer substrate those devices which cannot be formed on the same growth substrate, and it is also possible to obtain a display apparatus for multicolor display by arranging light-emitting diodes for emitting light in different colors. In addition, it is

possible to use not only light-emitting diodes but also light-emitting diodes and driving circuits as the devices. See, Specification, page 25, line 28 – page 26, line 5.

By carrying out the transfer of devices and the formation of electric wirings in the condition where a display device and a driving circuit device are mixedly present in each pixel, it is also possible to obtain a display device of the active matrix driving type in which electric signals are sent to the driving circuit devices. Moreover, by further additionally embedding and holding devices in an area on the transfer substrate where the devices have not been embedded in the condition where the devices are embedded in the pressure sensitive adhesive layer, it is possible, even in the case where the area permitting the arrangement of the devices on the temporary holding substrate is limited, to enlarge the area of the transfer substrate and, hence, to arrange the devices on a substrate having a large area. This particularly provides a device transfer method useful in the case of manufacturing a display apparatus having a large screen. See, specification, page 26, lines 6-18.

Based on at least these reasons, Applicants believe that the Patent Office has failed to establish a *prima facie* case of obviousness and thus respectfully request that the obviousness rejections be withdrawn.

For the foregoing reasons, Applicants respectfully submit that the present application is in condition for allowance and earnestly solicit reconsideration of same.

The Commissioner is hereby authorized to charge deposit account 02-1818 for any fees which are due and owing.

Respectfully submitted,

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Dated: November 9, 2006